

<b>NWS Form E-5</b> U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE  <b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	<b>HYDROLOGIC SERVICE AREA:</b> Pocatello, Idaho
	<b>REPORT FOR:</b>  <b>MONTH:</b> December <b>YEAR:</b> 2010
<b>TO:</b> Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	<b>SIGNATURE</b>  Troy Lindquist Service Hydrologist
<b>DATE:</b> January 14, 2011	
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

**X** An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.

### Overview

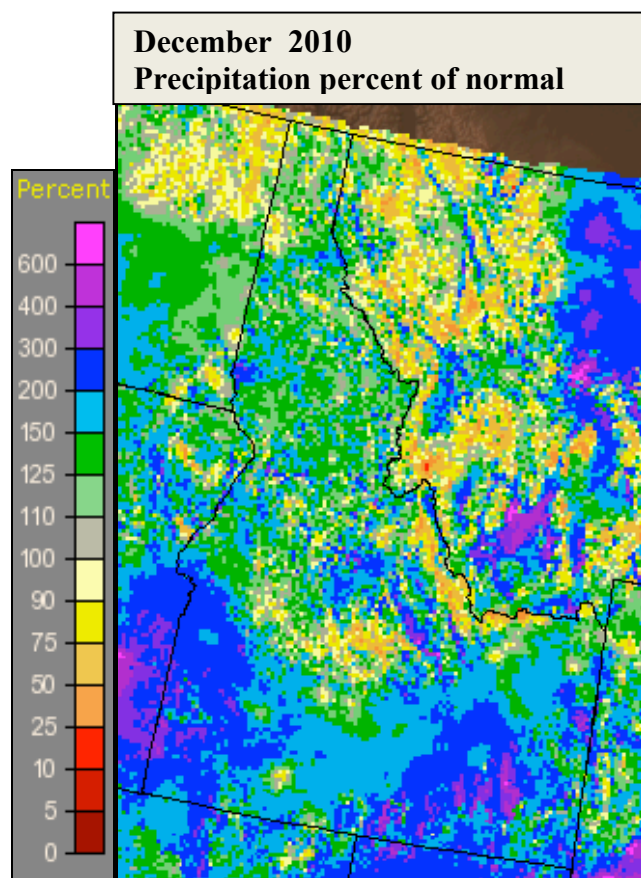
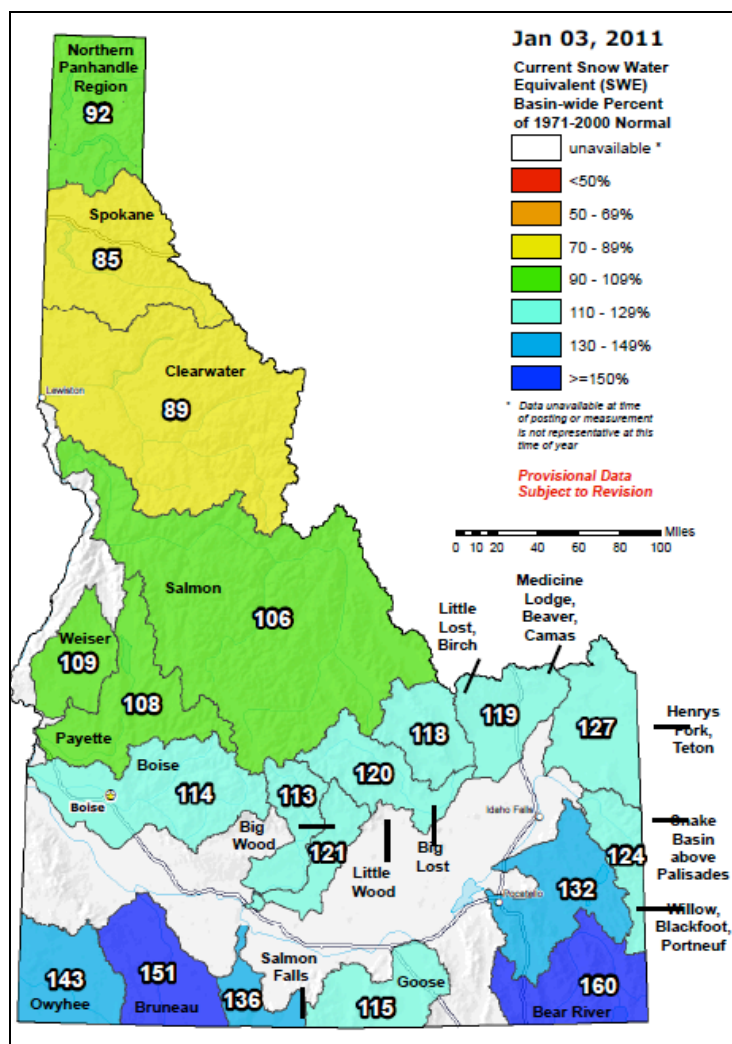
December was a wet month across the Pocatello HSA with all 44 reporting stations with climate data receiving above normal precipitation for the month. Of those 44 stations, 19 received greater than 200% of normal monthly precipitation.

A number of storm systems dumped significant snow across the high elevations building onto an already robust snowpack. The water equivalent in the mountain snowpack remained above normal throughout the HSA with the Bear River Basin leading the way at 160% of normal. A rare freezing rain event occurred in the Pocatello area during the morning of December 6 resulting in ice-covered roads.

Average monthly temperatures were generally above normal. Enough warm air accompanied some of the weather systems to bring rain or a rain and snow mix to portions of the Snake River Plain and lower valleys.

Ice buildup continued to impact data quality at a number of river and stream gages.

## Precipitation



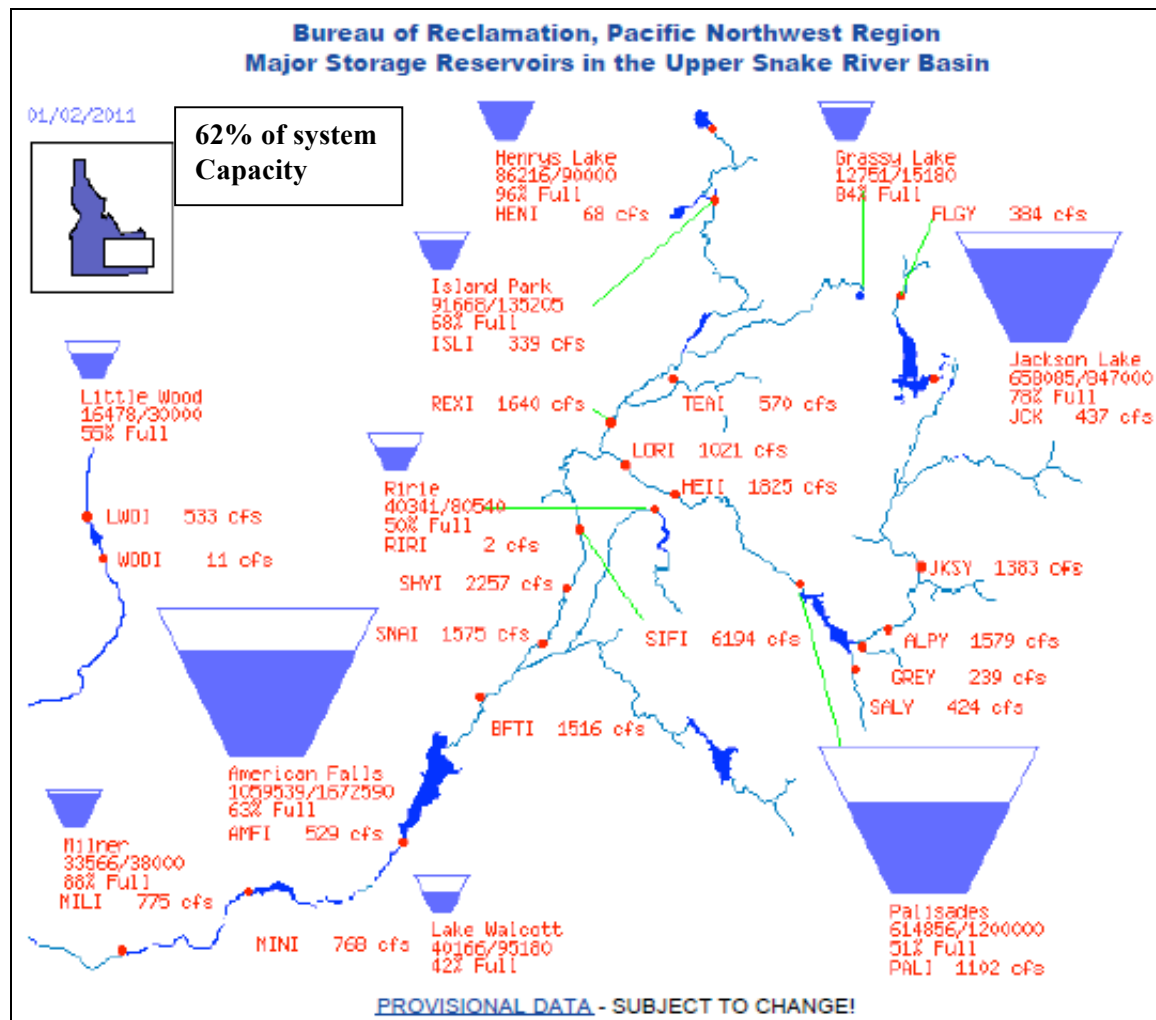
Daily Precipitation Records		
Station	New Record	Previous Record
Pocatello ASOS	Dec. 19 - .44"	.17" - 1981
Idaho Falls ASOS	Dec. 19 - .40"	.12" - 1981
Challis ASOS	Dec. 19 - .36"	.31" - 1964

Monthly Precipitation Records		
Station	New Record	Previous Record
Hamer	1.86"	1.57" - 1970

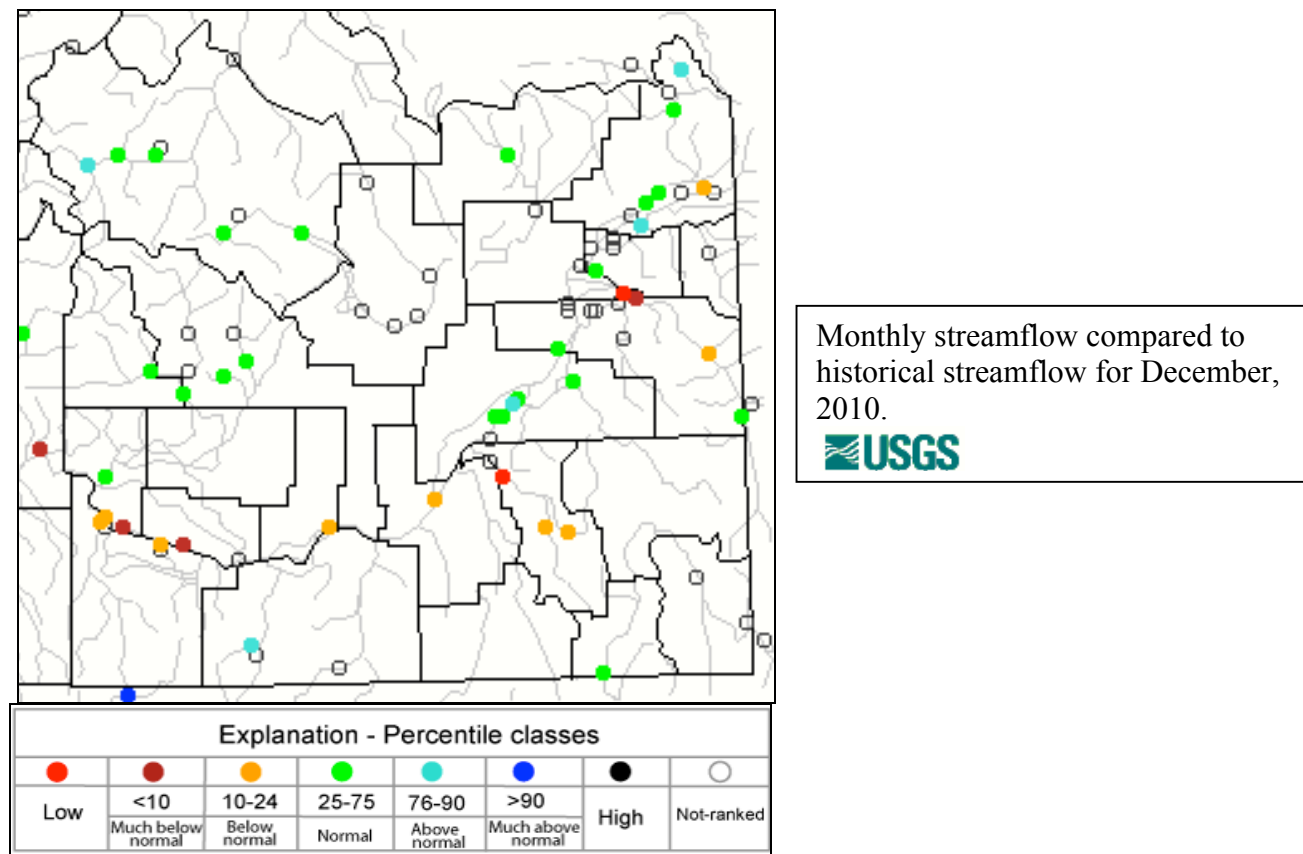
## Reservoirs

Reservoir	% Capacity Nov. 30 <sup>3</sup>	% Capacity Dec. 31 <sup>4</sup>	Percent Change	% of Average <sup>4</sup>	% of Last Year <sup>4</sup>
American Falls	47	63	16	107	88
Bear Lake	35	36	1	57	98
Blackfoot	54	57	3	92	103
Henry's Lake	94	96	2	105	102
Island Park	65	68	3	95	84
Little Wood	43	54	11	116	87
Mackay	62	72	10	135	100
Magic	40	42	2	101	107
Oakley	17	21	4	60	70
Palisades	51	58	7	78	76
Ririe	46	50	4	117	106
Lake Walcott	43 <sup>1</sup>	42 <sup>2</sup>	-1	n/a	n/a
Milner	50 <sup>1</sup>	88 <sup>2</sup>	38	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR) Nov. 30, 2010; (2) BOR Jan. 2, 2011;  
(3) NRCS Nov. 30, 2010; (4) NRCS Dec. 31, 2010.



## Streamflow



## December, 2010 Hydrologic Product Summary

Product	Number Issued
Flood Watch for Flash Flooding	0
Flash Flood Warning	0
Flash Flood Statement	0
Urban and Small Stream Flood Advisory	0
Flood Watch for Flooding	0
Flood Warning	0
Flood Statement	0
Flood Advisory	0
Hydrologic Statement	0
Hydrologic Outlook	0
Water Supply Outlook	0

cc: Dave Streubel, Western Region HCSD  
 Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center  
 Hydrometeorological Information Center  
 Rick Dittmann, Meteorologist in Charge, Pocatello, Idaho  
 Jay Breidenbach, Senior Service Hydrologist, Boise, Idaho  
 Pocatello WFO Forecasters and HMTs